

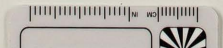
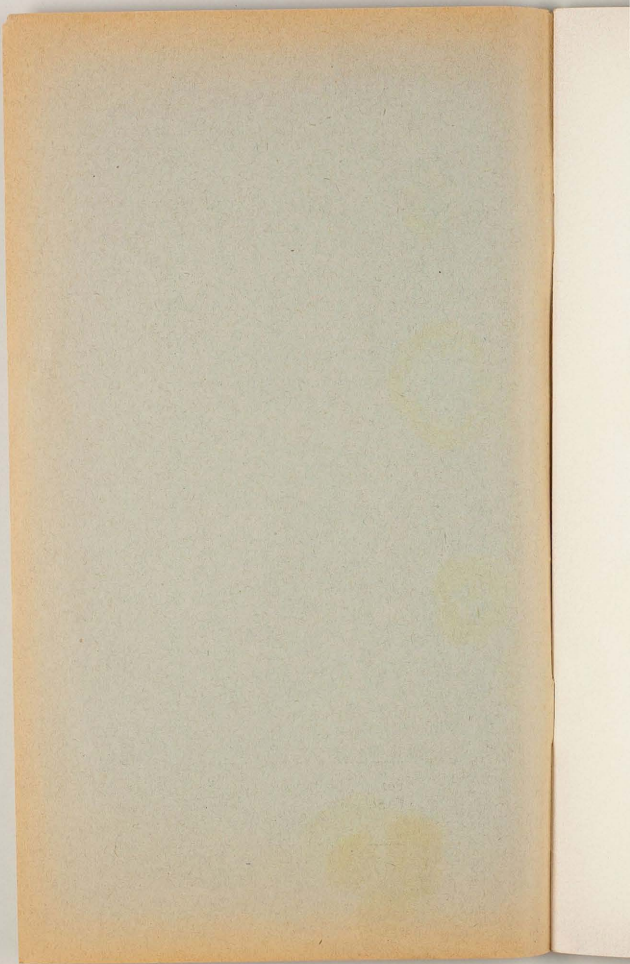
AIM Ann Report
1951 to 1952

ANNUAL REPORT
OF THE
AUCKLAND
INSTITUTE
AND MUSEUM
1951-52

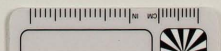


For presentation at the Annual
General Meeting to be held on
28th May, 1952.

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MAORI PORTRAITS.
Part of the Goldie Collection.

ANNUAL REPORT
OF THE
AUCKLAND INSTITUTE
AND MUSEUM

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AUCKLAND
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Staff of the Museum.

| | |
|-----------------------------------|---|
| Director | GILBERT ARCHNEY, O.B.E., M.A., D.Sc., F.R.S.N.Z. |
| Assistant Director | A. W. B. POWELL, F.R.S.N.Z. |
| Ethnologist | V. F. FISHER, M.A. |
| Hon. Curator of English China .. | C. REGINALD FORD, F.R.I.B.A. |
| Botanist | R. C. COOPER, M.A., B.COM. |
| Associate Botanists | PHYLLIS HYNES. KATHLEEN M. WOOD. |
| Ornithologist and Entomologist .. | E. G. TURBOTT, M.Sc. |
| Associate Ethnologist | OLWYN M. TURBOTT. |
| Geologist | M. H. BATTEY, M.Sc. |
| Associate Geologist | A. P. MASON, M.Sc. |
| Librarian | ENID A. EVANS, B.A., A.L.A. |
| Education Officer | R. A. SCOBIE, M.A. |
| Assistant Education Officer | H. GRIMSON. |
| Bookkeeper and Typist | PAULINE C. BOYD. |
| Library Assistant | M. G. HITCHINGS, B.A. |
| Typist | DELTA CLARK. |
| Taxidermist | C. W. DOVER. |
| Cabinetmaker and Joiner | FRANK QUAYLE. |
| Custodian | J. L. DAVY, D.C.M. |

Attendants :

J. STEWART, H. NEWMAN, J. MORIARTY, C. E. SCOTT,
W. DALEY.

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OF THE
AUCKLAND INSTITUTE
AND
MUSEUM
1951-1952

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Vice-Presidents:

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MR. A. T. PYCROFT.

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F.R.C.S.

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MR. W. CALDER MACKAY, M.C.

MR. J. M. WHITTAKER.

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W. E. LA ROCHE, B.SC.

Trust Board:

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MR. E. ANDERSON.

MR. A. T. PYCROFT.

SIR FRANK MAPPIN.

Representatives on Council of Royal Society of New Zealand.

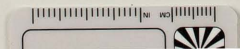
PROFESSOR L. H. BRIGGS,

MR. A. T. PYCROFT.

Director:

GILBERT ARCHIE, O.B.E., M.A., D.SC., F.R.S.N.Z.

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Reports to Members

President

Centennial

During the year the Auckland Museum will attain its centennial, it having been "commenced," as its founder Mr. John Alexander Smith put it, on 25th October, 1852. The commemorative activities approved by the Council for this centennial year include the following:

An evening reception at the Museum for representatives of local bodies in the Auckland province was held on 4th April. Members of the staff had gone to considerable trouble to arrange displays showing the work of the Museum, and according to subsequent reports the function was greatly enjoyed by the many city and country representatives present.

A presidential address was delivered on 5th May. This revived an old custom which was started by the presidential address on 4th May, 1868, to the first general meeting of the Institute.

The winter syllabus, which has already been forwarded to members, will comprise six lectures on the progress in the sciences during the last 100 years.

One or more appropriate Museum exhibitions will be held on dates to be announced.

A commemorative social gathering will be held at the Museum on 24th October, 1952.

His Majesty The King

The death during the year of His Majesty King George VI was the subject of a resolution of the Council conveying on behalf of all members, through His Excellency the Governor-General, our respectful sympathy and loyalty to Her Majesty the Queen.

Obituary

We record with regret the deaths of the following members: R. E. L. Aubin, Sir Peter Buck, B. D. Buddle, Major G. A.

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Buddle, Austin Carr, Mrs. W. Cocker, W. J. Crowther, Sir Albert Ellis, H. R. Hesketh, C. S. Lees, J. V. Macky, Dr. G. K. Sutherland, A. Howey Walker, J. W. Williamson, and W. R. Wilson.

Sir Peter Buck, K.C.M.G., D.S.O., a member of the Institute since 1921, and member of its Council from 1921 to 1925, when he left to join the Bishop Museum in Honolulu, died in December last. After serving in the Medical Corps and the Maori Battalion in the 1914-18 war he became first Director of Maori Hygiene in the Health Department. His distinguished scientific work included many detailed ethnographical studies of Pacific island groups and the publication of two outstanding books, "The Vikings of the Sunrise" and "The Coming of the Maori."

Sir Albert Ellis, C.M.G., by discovering the rich phosphate content of the rock of Nauru and Ocean Islands, made possible enormously increased production of New Zealand pastoral land. Keenly interested in the Museum, he supported it financially, as we can now reveal, and by presenting valuable geological specimens and examples of native arts and crafts from the Micronesian Islands.

Mr. W. J. Crowther's interest lay in XVIII and XIX century decorative arts. He personally assisted in the arranging of special exhibitions, among others, of antique plate, English pottery and porcelain and Chinese ceramics. He has generously bequeathed to the Museum a selection of English china and 18th century silver from his own collections.

Major G. A. Buddle, D.S.O., M.C., had been elected a member of the Council at the last general meeting, but died before taking his seat. His keen interest in ornithology and his patience and skill in photography combined to make his bird studies of high aesthetic as well as considerable scientific value. "Bird Secrets," issued since his death, contains a fine selection of his art and will undoubtedly receive a warm welcome.

Council

The Council appointed Mr. J. H. Rose, LL.B., to the place rendered vacant by the death of Major Buddle. The senior member of the Council, Professor H. W. Segar, has recently been seriously ill; but is now steadily recovering.

Membership

The membership roll at the end of the year was 876, including 261 life members, after the removal of 56 names through death, resignations and deletions, and the election of 46 new members.

Honours

The following members were the recipients of honours from His Majesty during the year:

Sir Vincent Meredith.
Mr. W. H. Shove, O.B.E.
Mr. T. W. M. Ashby, O.B.E.

Mr. A. K. North has been appointed a judge of the Supreme Court of New Zealand. Sir Frank Mappin was invested with the order of Knight of Grace of St. John. Two members of the Council, Sir Carrick Robertson and Mr. A. T. Pycroft, were elected to honorary life membership by the last general meeting.

Mrs. Lucy Watson Smith has been appointed Honorary Botanist by the Council.

Gifts

Mrs. Bertha Wilson, who had previously given £2,000 as an endowment for natural history cinema studies, has added a further gift of £1,000 to assist the Museum's photographic work.

Twenty portraits of Maori leaders by the late Mr. C. F. Goldie have been presented by Mrs. Goldie and are on display in the Maori Court. Both as examples of Mr. Goldie's work and as a record of Maori leaders, they have at once become a centre of interest for our visitors.

The Auckland Electric-power Board has again made a grant of £50 to the Museum.

Many other interesting and valuable gifts have been received from members and others. The interest thus shown in the Museum is keenly appreciated by the Council.

Visiting Scientists

The Council accorded welcomes to the officers and scientists of H.M.S. "Challenger," of the British oceanic research expedition, and to the Royal Danish Research Ship "Galathea." The opportunity for interchange of ideas between members of these expeditions and members of the Museum staff, as recorded in the present Annual Reports, has been much appreciated.

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Finance

The result of the request mentioned in the last annual report for an increase of 15% on the statutory obligation of the contributing local bodies was very gratifying. All the 23 local bodies met the Museum Council's request except the Borough of Takapuna.

The Council during the year also addressed a letter to all the other local bodies in the Auckland Province requesting their financial co-operation in future in the maintenance of the museum, which is in fact as well as in name an Auckland Provincial War Memorial Museum, and carries on its educational services in country as well as in metropolitan schools. It was suggested to them that provision be made by statute for a contribution of a small fraction of a penny on the capital value of each local body area. It was surprising that some of the bodies more distant from Auckland were agreeable to the proposal while many of the nearer local bodies were opposed to it. It was indeed appreciated that two local bodies (Whakatane County Council and Mangonui County Council) made immediate voluntary contributions from so far afield. The general result, however, showed a sufficient willingness to co-operate to justify the Museum Council in making a further proposal to them for a voluntary contribution based on the population figures, and this has recently been done.

It has been necessary to request a renewal for this year of the 15% increase from the contributing local bodies, and the response to this so far has been favourable.

As pointed out last year, the income and expenditure account showed a deficiency of £433. Owing to the exceptional fact that two of the scientific staff (the botanist, Mr. Cooper, and the geologist, Mr. Battey) received overseas research fellowships and were granted leave without pay during the year, and also that the librarian, Miss Evans, was given leave without pay to visit Britain, it has been possible to effect a saving on the salaries account this year. In a normal year, at present rates of remuneration, the amount required for salaries and wages of the present staff will be £11,239. The statutory contribution from local bodies is £10,668, which with 15% added makes £12,268, so that there is very little left for the many other expenses of the museum. The help which it is trusted the provincial local bodies will be willing to provide is urgently required to expand the country work of the Museum staff.

F. L.-G. WEST,

President.

Chairman of the Trust Board

The endowment funds have increased during the year by £2,230; including Sir Cecil Leys' bequest of £1,000, of which advice was received last year, and a gift of £1,000 made this year by Mrs. Bertha Wilson. Life Members' subscriptions were £168, and £49 was added to the Hanson Bequest. The total endowments are now £47,625. The purchase of £2,000 Government Stock has increased investments to £52,830/19/1, which includes £6,098 of building maintenance and other reserve funds. Government Stock and War Savings Certificates, £46,959/18/8, account for the greater part, the balance being in debentures and on mortgage.

V. J. LARNER.

Director

During the past year we again had the pleasure of hearing lectures by distinguished overseas visitors: Dr. T. Dobzhansky, who spoke on "Some Aspects of Evolution," and Professor Raymond Firth on "Social Anthropology and Modern Problems." We acknowledge also interesting lectures given by Mr. Maxwell Clarke, Ch.M., F.R.C.S., F.R.A.C.S., who gave the British Medical Association lecture on "The Evolution and Development of Surgery through the Centuries"; Professor D. Brown, Ph.D., "Atomic Research Activities Overseas"; and Dr. T. R. Vernon, "Newly Discovered Allies of Penicillin."

Visitors continue to acknowledge, by the numbers who attend, their appreciation of the Museum Sunday afternoon lectures. For a programme of wide interest we have to thank:

Mr. Johannes C. Andersen, M.B.E.: "The Bird as an Artist in Music."

Professor P. A. S. Smith, Ph.D.: "Some Scenic Gems of North America."

Mr. R. B. Sibson, M.A.: "Birds in Britain."

Mr. V. F. Fisher, M.A.: "Melanesian Fishing Methods."

Mr. A. A. Kirk, B.A.: "Stories of New Zealand's Famous Ships."

Miss M. W. Crookes, M.A.: "The Ways of Ferns."

Mr. L. H. Millener, M.Sc.: "A Botanist in England."

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The Anthropology Section syllabus commenced with the Chairman's address, "Mythology and Social Life of an Australian Tribe," by Professor R. O. Piddington, Ph.D. Other contributions were from Mr. M. Te Hau, B.A., Mr. Johannes C. Andersen, M.B.E., Professor A. B. Fitt, Ph.D., Mr. B. Hardie, B.A., Mr. B. G. Biggs, and Mr. M. Winiata, M.A.

The Astronomical Section held regular meetings in the Physics lecture room.

The Museum collections continue to be enhanced by fine examples of decorative art and by extensive natural history collections. A fifth century B.C. red-figure vase secured through the Edward Earle Vaile Fund is a notable addition to the display from classical Greece; the fund has also enabled us to add extensively to the Pitcairn Island collection, while each year the wealth of additions to the library, including rare and important works on early travel and exploration, enables us to realise what a fine instrument of study and research the Institute library is becoming through Mr. Vaile's munificent endowment.

The Museum has more than once benefited from the interest in native art and craft of those in the Mission field; this year we have received two further extensive ethnographical collections, the first from Melanesia, given by the Rev. Charles Palmer, who has also presented Bishop Selwyn's writing desk, telescope, and the pedometer that marked the many miles' travel of his ministry. The second is of sculptures, weapons, domestic implements and objects of reputed magic from Tanganyika collected by the donor, the Rev. Harry Johnson, between fifty and sixty years ago. Major W. A. G. Penlington has presented his own sketches of episodes in first war France and other trophies, and Mr. J. H. Luxford, S.M., has given a whalers' lay, or agreement for sharing the catch, drawn in Wellington in 1843. An unusual greenstone hei tiki found on the Waiuku sandhills by the late Mr. J. E. Makgill is the gift of members of his family, and Dr. G. Blake Palmer is the donor of a gold inlaid iron bowl from East Africa. A model racing canoe from the Ellice Islands has been given by Lt.-Commander J. F. A. O'Neill, D.S.C., and the New Zealand Shipping Co. has presented a ship builder's model of the *S.S. Ruapehu*, built in 1901. This is the third N.Z.S.C. model on display in the Museum. Many other gifts received through the year from residents in the city and province are recorded under Accessions later in the Report.

Members of the Museum staff participated in the first New Zealand Art Galleries and Museums Association conference held

at Napier in April, at which valuable discussions took place both on general Museum policy and on technical problems.

As usual, members of the staff have given outside lectures, the number this year being: Mr. Powell, 14; Mr. Turbott, 12; Mr. Fisher, 9; Mrs. Turbott, 2; the Director, 13; total, 50.

Other community assistance has been the usual response to very many enquiries, assistance to visiting research workers and loan of material to displays arranged by local organizations.

Growth of the Collections

The rapid and extensive growth of the Museum's collections, both in natural history, ethnology and in European arts, manifests the interest in the Museum of many citizens. The staff welcomes this support of its own activities in augmenting the collections, and readily accepts the considerable range of work that follows. The question of space and storage equipment now extends beyond the staff member concerned to become a major administrative problem. The study collections are almost hopelessly crowded; much more accommodation, e.g., floor and wall space, and storage equipment, including steel cabinets and card catalogues, are badly needed. All accessions, however, are welcome, giving, as they do, important material for research such as those recorded by Mr. Powell, Mr. Turbott and Mr. Mason; a reserve from which, when the collections have been classified and catalogued, the daily round of questions can be answered; and a source for displays, whether of individual pieces or of arranged settings, demonstrating native arts and crafts or natural history phenomena.

The change two years ago from direct to alternating current power supply made fluorescent lights available for display. Experimental installations have given some measure of success; they have also revealed that the best results will be attained in cases specially designed as to proportion and colour—an interesting task for the new halls of the completed War Memorial Museum.

GILBERT ARCHIE.

Assistant Director

The year has been a notable one for the opportunities afforded in oceanography by the visits of the Admiralty Survey Ship, *H.M.S. Challenger*, and the Royal Danish Research Ship *Galathea*. Commander Ritchie of *H.M.S. Challenger* generously offered to

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carry out dredging operations at prescribed localities. He secured for this Museum two rich hauls from 109 fathoms off the Great Barrier Island and four dredgings, as well as comprehensive shore collections, from Funafuti Atoll, Ellice Group.

At the invitation of Dr. Anton Fr. Bruun I accompanied the Danish Deep Sea Expedition on two cruises, Wellington to Auckland and the first investigation of the Kermadec Deep. The combined trips occupied about three weeks and afforded ample opportunity for learning something of their methods, taking part in laboratory routine and working on research material. I have been asked to write a report on the Continental shelf Mollusca obtained by the Expedition.

Two meetings of the New Zealand Oceanographic Committee, of which I am a member, were held at Wellington. The Committee is serving a very useful function in co-ordinating the investigations of our few but enthusiastic workers in this field. My oceanographic contribution during the year includes the Report on the Cape Expedition Mollusca from the Subantarctic Islands of New Zealand, now almost completed, as well as faunal and sedimentation investigations of dredgings from the Outer Hauraki Gulf, Mayor Island and Tauranga Harbour.

As Chairman of the Biological Subcommittee on Oceanography, I report some progress with the organization of an oceanographic symposium for the Eighth Pacific Science Congress, to be held in Manila in 1953.

Field researches into native land snail populations in Northland were rounded off by two further visits to North Cape and Cape Maria van Diemen.

In the Museum a panel featuring a whaling lay presented by Mr. Luxford has been installed, and two exhibition cabinets for the display of postage stamps were made by Mr. Frank Quayle. The exhibits, which are very popular, are changed at frequent intervals.

The Records of the Auckland Institute and Museum, Vol. 4, No. 2, was edited and published in December, 1951. A fourth impression of 10,000 copies of "Native Animals of New Zealand" appeared in April, 1951.

Published researches include an extensive report on Antarctic and Subantarctic Mollusca for the National Institute of Oceanography, Discovery Reports, Cambridge University Press and two

papers in the "Museum Records"—Land Mollusca from Four Islands of the Three Kings group, and Further Colonies of *Placostylus* Land Snails from Northernmost New Zealand. In addition the section on the Molluscan Family *Turridae* was written for the International Treatise on Invertebrate Paleontology, to be published by Kansas University in conjunction with the United States Geological Survey and the British Museum.

Outside activities included the delivery of twenty-four lectures, ten of which formed part of an Adult Education course.

Routine duties involved ever-increasing correspondence and identification of specimens, the loan of research material to other institutions, and the maintaining of collections, information files and indexes.

A. W. B. POWELL

Ethnologist

The collections were enriched by the addition of 1,398 specimens during the year. Accessions of special importance included Pacific ethnographical material from Lady Ellis; Maori and Polynesian articles from the Edward Earle Vaile Trust Fund; an ethnographical collection from Central Africa presented by the Rev. H. Johnson; Melanesian collections from Mr. A. Lush and the Rev. Charles Palmer, and a carved Maori canoe prow from Mr. I. W. McLeod.

History students from Ardmore Teachers' College under Messrs. S. Knight and S. S. P. Hamilton co-operated with the Museum in undertaking an archaeological excavation in the Maraetai area. Two parties camped on the site for periods totalling fifteen days and valuable and varied material was added to the Museum collections. Credit is due to staff and all students who participated, and especially to Mr. A. Campbell, the Acting Principal, for his active support.

Visits were paid to Waimate North to advise re the proposed establishment of a local museum, and to the historic Kemp homestead at Kerikeri at the request of the owner, Mr. A. E. Kemp. Brief field trips to Kaharoa, Clevedon and Oratia were carried out.

A marked increase in the loan of specimens to schools, colleges and other institutions is noted. Material was lent to the Blind Institute; Maori carvings to the Adult Education Centre for dis-

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play at the Waikato Winter Show and later at the carving classes at the Auckland Maori Community Centre; to the National Film Unit; African specimens to a local theatre; and Maori specimens to the Auckland and Ardmore Teachers' Colleges. Some forty specimens were lent to various bodies for the Caravanserai conducted by the combined women's organizations.

Specialized literature references have been provided on the Gilbert and Ellice Islands, Solomon Islands, Cook Islands, Society Islands, Taupo, Maori petroglyphs and various aspects of Maori customs. Requests for such help came from school teachers, university and training college students, lecturers, missionaries, and colonial officials.

During the year eleven lectures were delivered to a range of societies including Rotary Clubs, Church groups, Tramping Clubs and the Officers' Club. A series of four lectures on Maori customs was offered at a Y.W.C.A. Club for new arrivals in New Zealand. The Museum Sunday afternoon series of seven lectures was organized and a field day arranged by the Forest and Bird Protection Society was attended in order to supply information on Maori plant lore. Anthropology seminars held at the University have been attended whenever possible.

Throughout the year have served as Hon. Secretary of the Art Galleries and Museums Association, and while attending the three-day conference of the Association at Napier as a delegate for the Museum read a technical paper on "Registration and Cataloguing." At the request of the Girl Guide Association have continued to examine candidates for the Maori badge.

Much help was given to Professor Paul Wingert, of Columbia University, who spent some weeks in the Department studying Maori Art. Assistance of a specialised and varied character was accorded two American Fulbright scholars, Miss Marion Stoller, of Denver, Colorado, who has worked in the field of Maori art, and Mr. D. S. Marshall, of Harvard, Mass., who has studied Cook Island and Tahitian material.

Routine care of the reserve collections has been exercised, and the transfer of Maori fish hooks and ornaments to steel filing cabinets has been effected. The provision of further cabinets will alleviate somewhat the congested state of some cases besides making the material more accessible. Two student assistants, Messrs. J. Barr and E. Brough, attended to the registration of new accessions.

V. F. FISHER.

Associate Ethnologist

Temporary exhibits shown during the year include a fine collection of Solomon Island material presented by the Rev. Charles Palmer and another selected from the extensive African collection given by the Rev. H. Johnson. A bay, converted by means of hangings into a setting for the larger carvings from this collection, will continue to be used for a series of temporary exhibits.

An alcove at the head of the stairs on the first floor has been filled with a group of eighteenth century furniture, including a mahogany sideboard bequeathed by Mrs. J. P. Campbell, a sofa table from the Esmond Kohn bequest, and a pair of large Dutch delft vases presented by Mr. V. J. Larner and Mr. William Goodfellow.

The new display of the ceramic collections has been completed with the re-arrangement of three centre cases of European porcelain.

The changing of exhibits in order to ensure continued interest has again been one important aspect of the year's work. This includes the re-arrangement of three cases in the Melanesian section. In the Santa Cruz case a complete loom has been set up in working position; an exhibit of Melanesian fishing methods is illustrated with Solomon Island material, and weapons and head-hunting equipment from the Papuan Gulf region have been displayed.

Special lighting for the new Goldie Collection of portraits in the Maori Court presented an interesting technical problem.

A paper entitled "Ethnographical Display" was read at the A.G.M.A.N.Z. conference in Napier in April, 1951.

OLWYN M. TURBOTT.

Associate Botanists

Additions to the herbarium for the year totalled 2,005 collectings, of which 1,530 came by gift or exchange and 475 from local field work. The accessions included 466 sheets of Australian and New Zealand algae from the collection of W. H. Harvey made in 1850 and presented by Mr. J. M. Kelsey, of Ashburton; 482 specimens from the Huia area for the "Botany of Auckland" collection; 555 sheets of Samoan, Australian and New Zealand duplicates from Missouri Botanical Gardens herbarium (these

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include specimens from the late T. Kirk's collection); Orchid and *Wahlenbergia* type material and 24 sheets of exotic and New Zealand orchids from Mr. E. D. Hatch, of Laingholm, and two packets of plants from Mr. T. W. Mellor, of Nelson.

Arrears of mounting estimated as numbering from 15-20,000 specimens have now been completed, and assistance was given to Mr. Cooper in the selection of material for exchange with the Missouri Botanical Gardens and the U.S. National Herbarium. A card index of the garden plants of Auckland was compiled, and this will be used by Mr. Cooper when selecting specimens from duplicates at the Missouri Botanical Gardens herbarium. These duplicates when they come to hand will help to fill the need for reliably named specimens of garden plants in our herbarium.

On the 16th August, 1951, Mr. Cooper left New Zealand, and we were appointed to relieve him as Associate Botanists in a part-time capacity.

General enquiries covering a wide range have been dealt with, and material sent in for identification from individuals and from the School Service Department have received prompt attention.

The mounting of further specimens as they come to hand has continued and a start has been made in fulfilling requests for exchange material.

Field trips have been made to Rotorua, East Cape district, Great Barrier Island, Mts. Moehau, Tarawera, Karioi, Maungatautari, and to less frequented local areas. These trips have yielded much material for the exchange scheme, and many valuable specimens have been added to the herbarium. Special attention has been paid to the collection of introduced weeds and cultivated plants.

In September an attractive display containing 45 species of Australian native flowers was staged in the Cheeseman Memorial Hall, and this was well patronised. Our thanks are due to Mr. A. Farnell, Miss N. Bamford, Mrs. N. B. Spencer and Mrs. J. Prickett for many colourful contributions.

Fresh material has been collected and displayed every week on the native flower table, and this has been especially appreciated by teachers and school children, both for its general attractiveness and for its educational value. Unusual exotics have also been displayed on several occasions.

KATHLEEN WOOD.

PHYLLIS HYNES.

Ornithologist and Entomologist

Petrels and other sea birds were driven ashore during winter gales in exceptional numbers last year, enquiries accompanied by specimens or remains being sent to the Museum from many parts of the Auckland province. The retention of certain of these is of value in studies on sea bird distribution, and for general use. In co-operation with the now well-organised membership of the Ornithological Society of New Zealand, records of such storm-killed birds can be gathered systematically and co-ordinated throughout New Zealand. As a further result of the development of organised field work, specimens or remains of storm-killed birds have reached the Museum bearing the Society's rings. The forwarding of such records of birds marked under an authorised ringing scheme is of importance in studies on migration and distribution.

Accommodation for additional material of both cabinet skins and mounted specimens has unfortunately become a problem and further storage space is urgently needed.

In the entomological collections Dr. T. E. Woodward and Mr. R. A. Harrison have given much appreciated assistance in special groups: the New Zealand Hemiptera have been rearranged by Dr. Woodward, and Mr. Harrison has made a preliminary reorganisation of the Diptera. The gift of a handsome cabinet by Mr. R. C. Cooper provided space for the New Zealand Hemiptera.

In addition to replacement of specimens and incorporation of new specimens, the labels of some of the displayed material have been revised, including the sections on migration in the New Zealand Bird Hall.

A film strip on the life history of the banded dotterel was prepared with additional teaching notes for the Education Department.

Requests have continued for facilities to use or borrow research material, including that of several groups of New Zealand birds and, among insects, of Ephemeroptera, Odonata, Hemiptera and Diptera.

Field work has included short visits to Parengarenga Harbour and to Warkworth. On the latter an investigation of the distribution of the New Zealand frog in two forest areas was made in company with Dr. N. G. Stephenson. On the visit in February

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of the Danish deep sea expedition several field trips were arranged, and, at the kind invitation of Dr. Anton Fr. Bruun, I accompanied the Expedition to the Kermadec Deep for a fortnight; this gave the opportunity to examine and use laboratory equipment and literature. I carried out a programme of sea bird observations in co-operation with Dr. L. Ferdinand. A colour film of 500ft. was obtained during the Expedition.

A review and three papers have been published: "Winter Observations on *Notornis*" and "Notes on Parengarenga Harbour Waders" (in *Notornis*), and "Notes on the Birds of the Three Kings Islands" in the *Records*; and a contribution was written for the forthcoming book "The Antarctic Today." Field notes on the re-survey of the vegetation quadrats on Great Island, made in 1948, are included in the paper by M. Holdsworth in the *Records*.

The Adult Education course on "Birds, Fishes and Lower Animals" was given jointly with Mr. Powell. Work has been continued in association with various societies, including the Forest and Bird Protection Society. Public lectures include one given at Whangarei at the invitation of the Whangarei Native Forest and Bird Protection Society.

E. G. TURBOTT.

Associate Geologist

Since Mr. Battey's departure in August, the normal routine of the Geology Department has been somewhat restricted.

The most notable accession during the year was a collection of approximately 800 minerals and rocks donated by the Council of the Waihi School of Mines. In addition to a comprehensive collection of mineral specimens this material includes a valuable group of "rock types" and a large number of rock specimens from the Waihi, Westland and Dunedin districts. The collection, which is well labelled and identified, is at present being catalogued, and when this work is completed a display of the material will be prepared.

Other additions include representative collections of rocks from the North Cape, Mt. Camel, and Tokatoka areas, and Cretaceous fossils from the Central Kaipara. Mr. H. Sands presented a fine block of sandstone containing whale remains, from the Te Kuiti district.

Field excursions were made to several localities during the year: to North Cape, Mt. Camel, and Doubtless Bay in May; to

the Central Kaipara in June; to the Coromandel Peninsula in November; and to the Tokatoka district in January. Shorter excursions have been made to various localities near Auckland, and an interesting discovery has been that of hitherto unrecorded pillow-lavas at Waiheke Island. Foraminifera collected from the Coromandel Peninsula in November and kindly identified by Mr. Hornibrook of the New Zealand Geological Survey have fixed the age of the Tertiary sediments in the northern portion of the Peninsula. Through the courtesy of Mr. I. B. Hayter, a collection of fossil plants from the Great Barrier Island presented by Mr. A. G. Stevenson in 1931 was identified and described by Dr. W. R. B. Oliver. A paper by Mr. Battey on the geology and topography of Great Island in the Three Kings Group was published in the *Records of the Auckland Institute and Museum*.

Following the Seventh New Zealand Science Congress in May, a scheme for integrated National Fossil Records was instituted. The Master File for the Auckland Peninsula between Dargaville and Port Waikato is under the care of the Museum, and a considerable amount of time has been taken up in completing Record Forms for the many fossils that have been collected in this area. Up to the present 230 forms have been made out, and they provide a valuable record of the fossils found and the age determinations made. A similar systematic record is now being kept by the department of all geological observations made on field excursions.

Since August the work of the department has been carried out on a part-time basis, and there has therefore been a decrease in the number of enquiries dealt with.

Mr. E. Arlidge was recently appointed student assistant, and it will now be possible to continue with the work of reorganization of the displays commenced by Mr. Battey.

A. P. MASON.

Education Officer

Cold, wet seasonal conditions and curtailed services resulting from industrial disputes seriously affected the work of the year. The weather conditions resulted in wide variations in the flow of children for lessons. Transport restrictions upset the regular delivery of loan cases to provincial schools, in a number of instances eliminating complete circuits for a term. Despite these hindrances 60 city and 170 provincial schools were serviced.

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Summary of Attendances for One Hour Lessons.

| Primary | Intermediate | Secondary | Total |
|---------|--------------|-----------|--------|
| 20,899 | 3,171 | 5,028 | 29,098 |

An expansion at the beginning of the present school year of the range of lessons for primary and post-primary schools has met with a response which indicates strikingly the limiting character of staffing this department with only two teachers. Fifteen containers for loan material display cases were supplied by the Auckland Education Board, which is the first step in rationalizing the actual delivery services. Demand continues to outmarch production in respect to the loan material cases.

An outstanding feature has been the attendances for instruction or observational purposes of all the second year students from the Ardmore and Auckland Teachers' Training Colleges, the outgoing students from the Loretto Hall Training College and a party from the Kindergarten Training Centre. One hundred and twenty-one students (including 10 post-primary) have been attached to the Museum for teaching practice.

The annual Cheeseman Memorial Competitions and the holiday film sessions again were well supported.

R. A. SCOBIE.

Librarian

A total of 865 books were added to the library during the year, 540 being purchased from the Edward Earle Vaile Trust Fund. These figures continue the trend noted previously, and this trend towards fewer additions each year is accounted for by the fact that the library's holdings of Pacific material are now fairly comprehensive, and more expensive rarer works are being bought.

In November, 1951, Miss Evans, Librarian, commenced a year's leave of absence. While in England, she is going through the stocks of second-hand bookshops, and in this way has already helped to fill a number of important gaps in the library's Pacific and New Zealand material. Miss A. Minchin is working part time to do the cataloguing of books in Miss Evans' absence.

The most notable addition this year to the overseas institutions with which the library exchanges material is the Science Council of Japan, from which a large collection of journals on botany, zoology, geography and geology, with the text mainly in English, has been

received. There are few countries in the world with which the library does not exchange publications, and much valuable material is acquired in this way.

By agreement with the New Zealand Institute of Chemistry, a number of periodicals sent to them on exchange are now housed and recorded by this library. Institute members may borrow them.

Three steel filing cabinets for New Zealand pamphlets, and a glass-fronted bookcase, were bought during the year, and these have helped to relieve the overcrowding of books on the shelves. Lack of space remains a problem, however, owing to the rate at which the library is expanding.

Borrowings for the year:

| Members | | Other libraries | Total |
|---------|--------|-----------------|-------|
| Local | Posted | on interloan. | |
| 2,662 | 50 | 171 | 2,883 |

Interloan borrowings from other libraries for Institute members totalled 105. This is a considerable increase over similar borrowings for any previous year.

Again many people have been kind enough to donate books or money during the year, and we would like to thank the following: Rev. L. W. Allen, Hon. T. Bloodworth, H. D. Buddle, Rev. C. S. Bull, S. Cameron, Mrs. C. Chambers, F. G. Cookson, Dr. Grace De Courcy, Miss E. M. de Luen, Lady Ellis, Dr. W. A. Fairclough, Dr. J. W. Freudenberg, C. E. Galbraith, Mr. and Mrs. W. L. B. Gibbons, Clifford W. Hawkins, M. A. Jamieson, R. Noel Johnson, W. Kingsley, J. D. Kinnear, Dr. J. W. McIlraith, T. W. Mellor, H. B. Millington, H. Newman, Sir Carrick Robertson, R. Robinson, Dr. A. Schiessel, Miss E. M. Stephenson, Dr. R. M. S. Taylor, E. G. Turbott, Miss E. M. Upton.

M. G. HITCHINGS,
Acting-Librarian.

AUCKLAND INSTITUTE AND MUSEUM

RECEIPTS AND PAYMENTS ACCOUNT

For the Year Ended 31st March, 1952.

| | £ | s. | d. | | £ | s. | d. |
|---|---------|----|----|--|---------|----|----|
| To Balance, 1/4/51 | 1,750 | 6 | 8 | By Salaries and Wages | 10,126 | 16 | 1 |
| .. Subscriptions | 597 | 1 | 6 | .. Insurance | 72 | 17 | 7 |
| .. Subscriptions Paid in Advance | 18 | 18 | 0 | .. Library Expenses | 60 | 11 | 1 |
| .. Life Subscriptions | 168 | 0 | 0 | .. Library Books | 220 | 9 | 3 |
| .. Interest— | | | | .. Institute Expenses | 237 | 7 | 6 |
| .. Mortgages | 65 | 0 | 2 | .. Specimens— | | | |
| .. Debentures | 232 | 7 | 6 | .. Purchased | 4 | 11 | 2 |
| .. N.Z. Government Stock | 1,024 | 16 | 2 | .. Collecting and Travelling | 196 | 9 | 9 |
| .. Australian Stock | 52 | 3 | 10 | .. Preserving and Display | 253 | 6 | 7 |
| .. Local Body Contributions | 12,212 | 14 | 4 | .. School Services, Education, Prizes | 67 | 3 | 1 |
| .. Sundry Receipts | 36 | 0 | 5 | .. Publications, Photos | 321 | 13 | 3 |
| .. Savings Bank Interest | 249 | 1 | 10 | .. Publications Reserve Account | 729 | 15 | 0 |
| .. Sale of Transactions | 48 | 12 | 2 | .. General Maintenance | 1,176 | 14 | 8 |
| .. Sale of Publications—Reserve Account | 935 | 18 | 7 | .. Building Maintenance | 433 | 18 | 10 |
| .. Refund of School Services Expenses | 43 | 8 | 8 | .. Showcases and Furniture | 549 | 8 | 6 |
| .. A. V. Hanson Bequest | 49 | 0 | 0 | .. Scientific Equipment | 46 | 6 | 8 |
| .. Grant—Oceanographic Committee | 75 | 0 | 0 | .. Auckland Museum Maintenance Amendment Act, 1931 (Section 37)— | | | |
| .. Grant—South Pacific Commission | 274 | 13 | 9 | .. Entertainment, Wreaths | 31 | 12 | 10 |
| .. Sir Cecil Leys Bequest | 1,000 | 0 | 0 | .. South Pacific Commission | 14 | 0 | 0 |
| .. Mrs. Bertha Wilson Endowment | 1,000 | 0 | 0 | .. Seventh Pacific Science Congress | 1 | 1 | 0 |
| .. Sale of Specimens | 28 | 0 | 0 | .. Edward Earle Vaile Trust Fund— | | | |
| .. Rents from E. E. Vaile Properties Trust | 2,114 | 6 | 5 | .. Specimens Purchased | 610 | 9 | 3 |
| .. Receiver of Land Revenue— | | | | .. Library Books Purchased | 1,103 | 8 | 6 |
| .. Sales | 3 | 4 | 1 | .. Outgoings on Properties | 210 | 15 | 3 |
| .. Rent and Interest | 18 | 12 | 4 | .. Obsolescence Fund Account, 1951-52 | 200 | 0 | 0 |
| .. Mortgages—Reduction of Principal | 62 | 0 | 0 | .. Balance Unexpended, 31/3/52 | 374 | 16 | 3 |
| .. Repayment of N.Z. Government Stock | 609 | 19 | 10 | .. Transfers— | | | |
| .. Contributions— | | | | .. Investment Account | 671 | 19 | 10 |
| .. Specimen Purchase | 153 | 18 | 2 | .. Life Subscriptions Account | 168 | 0 | 0 |
| .. Memorial Hall Account | 23 | 6 | 0 | .. Specimen Purchase Account | 181 | 18 | 2 |
| .. Special Donations | 89 | 19 | 10 | .. Memorial Hall Account | 25 | 6 | 0 |
| .. Transfers— | | | | .. Museum Endowment Account | 3 | 4 | 1 |
| .. E. E. Vaile Trust Fund—Sale of Books | 47 | 4 | 0 | .. Publications Reserve Account | 206 | 3 | 7 |
| .. E. E. Vaile Trust Fund—Sale of Specimens | 25 | 0 | 0 | .. Oceanographic Committee Account | 75 | 0 | 0 |
| .. E. E. Vaile Trust Fund—Refund unexpended Specimens | 16 | 19 | 6 | .. South Pacific Commission Account | 260 | 13 | 9 |
| .. E. E. Vaile Trust Fund—Unexpended, 31/3/51 | 301 | 19 | 4 | .. A. V. Hanson Bequest | 49 | 0 | 0 |
| | | | | .. Sir Cecil Leys Bequest | 1,000 | 0 | 0 |
| | | | | .. Mrs. Bertha Wilson Endowment | 1,000 | 0 | 0 |
| | | | | .. Buildings Reserve Account | 466 | 1 | 2 |
| | | | | .. Balance, 31/3/52 | 2,172 | 14 | 5 |
| | £23,327 | 13 | 1 | | £23,327 | 13 | 1 |

INCOME AND EXPENDITURE ACCOUNT

For the Year Ended 31st March, 1952.

| EXPENDITURE. | | INCOME. | |
|---|--------------------|---|-------------|
| | £ s. d. | | £ s. d. |
| Salaries and Wages | 15.000 10 126 16 1 | Subscriptions | 696 13 6 |
| Insurance | 12 17 7 | Interest—Mortgage, Debenture and Stock | 1,325 10 2 |
| General Maintenance | 1,176 14 8 | Life Members | 168 0 0 |
| School Services, Education, Prizes | 67 3 1 | Contributions from Local Bodies | 12,212 14 1 |
| Publications, Photos. | 321 13 3 | Sundry Receipts | 36 0 5 |
| Institute Expenses | 237 7 6 | Sales of Transactions | 48 12 2 |
| Unauthorized Expenditure— | | Savings Bank Interest | 249 1 10 |
| Entertainment, Wreaths | 31 12 10 | Rent and Interest, Receiver of Land Revenue | 18 12 4 |
| Building Maintenance | 433 18 10 | Memorial Hall and Specimen Purchase | 177 4 2 |
| Subscriptions Written Off | 111 6 0 | Special Donations | 89 19 10 |
| Seventh Pacific Science Congress | 1 1 0 | | |
| Balance Carried Down | 2,441 17 11 | | |
| | £15,022 8 9 | | £15,022 8 9 |
| Capital Purchases from Revenue | 1,331 3 0 | Balance Brought Down | 2,441 17 11 |
| Appropriations— | | Subscriptions Written Off in Error | 3 13 6 |
| Life Members' Capital Revenue Account | 168 0 0 | Refund of School Services Expenses | 43 8 8 |
| Memorial Hall Trust Account | 23 6 0 | | |
| Specimen Purchase Account | 153 18 2 | | |
| Building Reserve Account | 466 1 2 | | |
| Balance, 31/3/52 | 346 11 9 | | |
| | £2,489 0 1 | | £2,489 0 1 |

EDWARD EARLE VAILE TRUST FUND.

| | £ s. d. | | £ s. d. |
|---|-------------|---|-------------|
| To Ethnological Specimens Purchased | 610 9 3 | By Gross Rents Received to 31/3/52 | 2,315 14 0 |
| .. Library Books Purchased | 1,109 8 6 | Less Commission | £87 3 0 |
| .. Obsolescence Fund, 1951-52 | 200 0 0 | .. Insurance | 90 3 5 |
| .. Balance Unexpended, 31/3/52 | 374 16 3 | .. Repairs | 24 1 2 |
| | | .. Rates | 210 15 3 |
| | | Net Revenue | 412 2 10 |
| | | Balance Unexpended, 31/3/51 | 1,903 11 2 |
| | | Sale of Books | 301 19 4 |
| | | Sale of Specimens | 47 4 0 |
| | | Refund Cash Unexpended in Specimens | 25 0 0 |
| | £2,294 14 0 | | 16 19 6 |
| | | | £2,294 14 0 |

EDWARD EARLE VAILE TRUST FUND.

Balance Sheet as at 31st March, 1952.

| | £ | s. | d. | | £ | s. | d. |
|-------------------------|--------|----|----|---------------------------|--------|----|----|
| Capital Account | 40,000 | 0 | 0 | Properties valued at .. . | 40,000 | 0 | 0 |

MUSEUM ENDOWMENT ACCOUNT.

| | £ | s. | d. | | £ | s. | d. |
|----------------------|---------|----|----|--|---------|----|----|
| To Balance, 31/3/52— | | | | By Balance, 1/4/51 .. . | 13,990 | 19 | 9 |
| Investments .. . | 13,994 | 3 | 10 | | | | |
| | | | | .. Sales—Receiver of Land Revenue .. . | | 3 | 4 |
| | | | | | | | |
| | £13,994 | 3 | 10 | | £13,994 | 3 | 10 |

LIFE MEMBERS' SUBSCRIPTIONS ACCOUNT.

| | £ | s. | d. | | £ | s. | d. |
|------------------------------|--------|----|----|--|--------|----|----|
| To Balance, 31/3/52— | | | | By Balance, 1/4/51— | | | |
| War Savings Investments .. . | 2,270 | 16 | 6 | War Savings Investments .. . | 2,204 | 14 | 1 |
| Investments .. . | 2,001 | 4 | 11 | Investments .. . | 1,899 | 7 | 4 |
| | | | | .. Transfer from Income and Expenditure A/c .. | 168 | 0 | 0 |
| | £4,272 | 1 | 5 | | £4,272 | 1 | 5 |

ACCUMULATING ENDOWMENT ACCOUNT.

| | £ | s. | d. | | £ | s. | d. |
|--------------------------|------|----|----|-----------------------------|------|----|----|
| To Balance, 31/3/52 .. . | 422 | 8 | 0 | By Balance, 1/4/51 .. . | 412 | 2 | 0 |
| | | | | .. Interest to 31/3/52 .. . | 10 | 6 | 0 |
| | £422 | 8 | 0 | | £422 | 8 | 0 |

MACKECHNIE BEQUEST ACCOUNT.

| | £ | s. | d. | | | £ | s. | d. |
|---------------------|----|----|----|------------------------|---|----|----|----|
| To Balance, 31/3/52 | 8 | 15 | 3 | By Balance, 1/4/51 | 8 | 11 | 3 | |
| | | | | .. Interest to 31/3/52 | | 4 | 0 | |
| | £8 | 15 | 3 | | | £8 | 15 | 3 |

SIR JAMES GUNSON TRUST ACCOUNT.

| | £ | s. | d. | | | £ | s. | d. |
|---------------------|-----|----|----|------------------------|----|-----|----|----|
| To Balance, 31/3/52 | 35 | 1 | 8 | By Balance, 1/4/51 | 34 | 4 | 8 | |
| | | | | .. Interest to 31/3/52 | | 17 | 0 | |
| | £35 | 1 | 8 | | | £35 | 1 | 8 |

MEMORIAL HALL TRUST FUND.

| | £ | s. | d. | | | £ | s. | d. |
|---------------------|------|----|----|---|-----|------|----|----|
| To Balance, 31/3/52 | 788 | 13 | 2 | By Balance, 1/4/51 | 746 | 14 | 2 | |
| | | | | .. Interest to 31/3/52 | | 18 | 13 | 0 |
| | | | | .. Transfer from Income and Expenditure A/c | | 23 | 6 | 0 |
| | £788 | 13 | 2 | | | £788 | 13 | 2 |

SPECIMEN PURCHASE FUND.

| | £ | s. | d. | | | £ | s. | d. |
|---------------------|------|----|----|---|-----|------|----|----|
| To Balance, 31/3/52 | 874 | 7 | 6 | By Balance, 1/4/51 | 675 | 11 | 10 | |
| | | | | .. Interest to 31/3/52 | | 16 | 17 | 6 |
| | | | | .. Sale of Specimens | | 28 | 0 | 0 |
| | | | | .. Transfer from Income and Expenditure A/c | | 153 | 18 | 2 |
| | £874 | 7 | 6 | | | £874 | 7 | 6 |

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[illegible]

| | | | |
|--|----------|----|-------------|
| Endowments—Increasing: | | | |
| Museum Endowment | 13,994 | 3 | 10 |
| Reserve for Depreciation of | | | |
| Investments | 377 | 11 | 8 |
| Life Members' Subscriptions | 4,272 | 1 | 5 |
| Accumulating Endowment | | | |
| (Ambury Bequest) | 422 | 8 | 0 |
| | | | 19,666 4 11 |
| Reserves— | | | |
| Building Maintenance | 5,089 | 1 | 4 |
| Gunson Specimen | 35 | 1 | 8 |
| Leys Fund for Ethnological | | | |
| Specimens | 110 | 3 | 6 |
| Memorial Hall | 788 | 13 | 2 |
| Specimen Purchase | 874 | 7 | 6 |
| Mackenzie Library | 8 | 15 | 3 |
| Horton Geology Fund | 92 | 17 | 5 |
| Cases for White China | 10 | 10 | 0 |
| Donations for purchase of Swords | 10 | 0 | 0 |
| Publications Reserve Account | 1,455 | 9 | 4 |
| Edward Earle Valle Properties | | | |
| Trust— | | | |
| Obsolescence Fund | 1,045 | 17 | 6 |
| Balance Revenue Account | 374 | 16 | 3 |
| Oceanographic Committee A/c | 75 | 0 | 0 |
| South Pacific Commission A/c | 260 | 13 | 9 |
| | | | 10,231 6 8 |
| Sundry Creditors— | | | |
| Subscriptions in Advance | | | 18 18 0 |
| Income and Expenditure Account— | | | |
| Balance, 1/4/51 | 2,073 | 13 | 2 |
| Plus Balance, 31/3/52 | 346 | 11 | 9 |
| | | | 2,420 4 11 |
| | | | <hr/> |
| | £515,935 | 17 | 9 |

| | | | |
|--------------------------------|-------|----|-------|
| Cash— | | | |
| Post Office Savings Bank | 1,524 | 5 | 3 |
| Auckland Savings Bank | 5,621 | 6 | 2 |
| Petty Cash | 30 | 0 | 0 |
| Change | 1 | 0 | 0 |
| Bank of New Zealand | 21 | 12 | 9 |
| | | | <hr/> |
| | 7,198 | 4 | 2 |

£515,935 17 9

GILBERT ARCHIEY,

Treasurer.

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List of Benefactions
made to the
Auckland Institute and Museum
of an amount (or value) exceeding £50.

MONETARY GIFTS.

- 1876 Auckland Citizens: £2,026 subscribed towards first building.
1878 Mr. J. C. Firth donated £106 for show cases.
1884 Mr. Edw. Costley bequeathed £12,150.
1887 Mr. David Nathan bequeathed £100.
1897 Mr. T. Russell donated £100 for geological specimens.
1901 Auckland Citizens subscribed £1,000 for Mair Collection.
1902 Mr. E. A. Mackechnie bequeathed £2,500.
1906 Auckland Citizens subscribed £662 for carved houses.
1911 Auckland Citizens subscribed £684 for ancient carvings.
1913 Sir John Logan Campbell bequeathed £1,000.
1921 Institute Members subscribed £115 for Temple Bronzes.
1923 Sir Wm. H. Herries bequeathed £1,000.
1924 Citizens subscribed £698 for Maori collections.
1925 Institute Members subscribed £100 for Maori collection.
1926 Sir James Gunson Presentation Committee presented £118 for Maori collection. Mr. David Goldie bequeathed £1,000.
1927 Mr. F. Shaw bequeathed £1,000.
1929 Mr. S. J. Ambury bequeathed £250.
1934 Mrs. R. M. Wilson: £50/10/- given to establish the Sir Edwin Mitchelson Prize Fund.
1940 Mr. Maurice Harding bequeathed £500.
1941 Mr. Ormsby Gore Adams bequeathed £100.
1942 Mr. J. A. Pond bequeathed £100 to commemorate the scientific achievements of Thomas F. Cheeseman.
1944 Mr. E. Earle Vaile gave two blocks of shops and residences worth £10,000 as an endowment for ethnological collections and books.
Mr. R. C. Horton gave £200 towards extending the mineral collection.
Sir Albert and Lady Ellis gave £150 for Library book-cases.
£428 received on account of a bequest by Mr. C. V. Houghton.
Mitchelson Prize Fund increased to £100.
1945 Mrs. Bertha Wilson gave £2,000 as an endowment for Cinematography.
Auckland Savings Bank gave £500 for improvements to Exhibition Halls.
Auckland Electric Power Board gave £100.
Mr. R. C. Horton gave £70 for purchase of Georgian Silver Tea Set.
1946 Mr. E. Earle Vaile: Gave a freehold section with a two-storey building in Queen Street worth over £30,000 as a further endowment for ethnographical collections and books.

- 1947 Auckland Savings Bank Centennial Gift of £5,000.
Mr. A. V. Hanson bequest of approximately £2,000.
1948 Mr. E. P. Mitchelson, bequest of £1,000.
1950 Mrs. Sarah Ann Powley, bequest of £171.
Sir Cecil Leys bequeathed £1,000.
1951 Mrs. Bertha Wilson gave £1,000 endowment for photography.

SPECIMENS AND BOOKS.

- 1876 Mr. R. C. Barstow: Large collection of Maori articles.
1877 Mr. G. F. Edmonston: 564 volumes of scientific works.
1878 Mr. T. Russell, C.M.G.: 34 casts from the antique.
1878-83 Mr. J. T. MacKelvie: 390 books and ethnology collection.
1887 Mr. C. O. Davis: Valuable Maori collection.
1901 Mr. L. D. Nathan: Japanese Shinto Shrine.
1913 Mr. Henry Shaw and Mr. F. Shaw: 172 scientific books. Hon.
Sir Edwin Mitchelson: Valuable Kauri Gum collection.
1915 Dr. C. E. R. Bucknill: Collection of Old English Glass.
1916 Mr. Henry Shaw: Collection of Japanese art.
1917 Miss Ruth Northcroft: Large Maori and Polynesian Collection
1919 The Misses Yates: Collection of Indian weapons.
1920 Mr. James Dunning: Collection of North American Mammals.
1921 Mr. W. A. Aldred: Valuable collection of Maori specimens.
Hon. J. B. Turner: Important Fijian ethnographical collection
1923 Mr. T. F. Cheeseman, F.L.S., F.N.Z.Inst.: The Cheeseman Her-
barium of native and foreign plants.
1924 Mr. Wm. Sutherland: Melanesian ethnographical collection.
Mr. A. C. Caughey: Fijian and New Hebridean ethnographical
collection.
Mr. R. A. Meek: Ethnographical specimens from Bismarck
Group. Messrs. Samuel Vaile & Sons: Large collection
of Maori greenstone articles. Sir Cecil Leys and Mrs.
Selwyn Upton: The Edge-Partington ethnographical col-
lection of over 2,000 specimens, given in memory of
their father, Dr. T. W. Leys.
1925 Mr. F. Crossley Mappin: Valuable Maori and South Pacific
exhibits.
1926 Mr. Geo. F. Webster: Valuable Maori antiquities.
Mr. H. R. Butcher: Collection of British coins.
Mrs. E. M. Ball: The Thos. Ball Zoological collection.
Mr. F. Crossley Mappin: Ancient Chinese ceramic specimens.
Mr. Hallyburton Johnstone: Silver cup presented by Queen
Victoria in 1878 to the Royal George Yacht Club.
1927 Mr. F. Crossley Mappin: Valuable Maori carvings.
Mr. Moss Davis: Valuable ethnographical specimens.
1928 Sir Cecil Leys and Mrs. Selwyn Upton: Unique and richly
carved feather box.
Mr. J. R. Adams Wilkes: Ethnographical collections from
Nigeria and New Guinea.
Mr. Harry Kinder: The Dr. Kinder Collection—Maori and
Melanesian.
Mr. E. Earle Vaile: Important collection of Maori stone
carvings and collection of Eastern ethnographical
specimens.
Mrs. S. J. Lushington: Large collection of mollusca.

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- 1929 Mr. T. H. Barstow: Maori canoe prows and stern posts.
Mr. W. R. McGregor: New Ireland carved memorial figures.
Mrs., Miss and Mr. A. N. Cooper: The Charles Cooper collection of mollusca.
Rev. W. H. Webster: Large collection of mollusca.
Mr. C. E. Clarke: Large collection of N.Z. Insects.
Executors Mr. W. M. Cole: Stone and Bronze Age Artifacts.
Miss Webster and Mr. G. F. Webster: Water-colour drawings of the Solomon Islands.
- 1930 Mr. John Kenderdine: Large collection of books and pamphlets, including rare early New Zealand works. Mr. H. E. Vaile: A large collection of Maori implements and greenstone ornaments. Mr. Moss Davis: Selected Maori exhibits; also porcelain and ivory. Mr. L. J. Matthews: Two specimens of Moa eggs. Dr. L. Cockayne: Large collection of N.Z. plants.
- 1931 Sir Cecil Leys and Mrs. Selwyn Upton: Valuable Maori antiquities: additions to the Dr. T. W. Leys collection. Mrs. S. J. Lushington: Collection of Silver and Sheffield Plate. Mrs. A. C. Lennard: Collection of English porcelain.
- 1932 Mr. H. S. Dadley: Large and valuable collection of Oriental Arts. Mr. Moss Davis: British Gold and Silver Coins and European Ivories and Bronzes. Hon. Sir James Parr: Gold and Silver Mementoes of public events in New Zealand, and case for their display.
- 1933 Vaile Collection: Additional gift of many valuable Maori antiquities. Mr. W. Goodfellow: Extensive ethnographical collection from Northern Melanesia.
- 1934 Miss Eleanor Brown and Mrs. Geo. Brownlee: Collection of heirlooms of the Ngati-toa and Ngati-awa Tribes.
Messrs. R. B. & G. Matthews: The H.B. Matthews Herbarium.
- 1935 Mr. F. Crossley Mappin: Maori Specimens, including handsomely carved sternpost.
The Admiralty: Model of H.M.S. New Zealand.
- 1936 Captain G. Humphreys-Davies: Large and valuable collection of Chinese pottery figures. Mrs. T. G. Russell: 235 volumes of chemical and physical works from the library of her father, the late Professor Brown. Mr. E. Earle Vaile: Valuable Maori hei-tiki and Rapa Island stone artifacts. The Estate of the late H. E. Vaile: Maori and Polynesian ethnographical collection; carvings and ornaments.
- 1937 Mr. E. Earle Vaile: Collection of ethnographical specimens and six Italian bronzes. Sir Algernon Thomas: Library of scientific books and papers.
- 1938 Mr. E. Earle Vaile: Gift of many early New Zealand books and journals. Mr. J. R. le B. Tomlin: Gift of valuable early editions of natural history works. Mr. F. Crossley Mappin: Early Chinese Pottery and Bronzes.
- 1939 Mr. E. Earle Vaile: Maori carvings, large Melanesian collection and gifts to the Library. Mr. J. R. le B. Tomlin: Gift of early Worcester china and early works on natural history. Mr. W. Goodfellow: Large Melanesian collection.

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- 1941 **Mr. H. R. Jenkins:** Historic anchor associated with the ill-fated H.M.S. Bounty. **Mrs. T. G. Russell:** 500 volumes of botanical and biographic works from the library of her father, the late Professor Brown.
- Mr. Ormsby Gore Adams** bequeathed cinema camera, photographic equipment and nature films.
- 1942 **Mrs. A. A. Richardson:** The late Mr. J. D. Richardson's extensive collection of early Auckland photographs and lantern slides.
- Col. the Hon. F. Waite, D.S.O., M.L.C.:** Large collection of Egyptian pre-dynastic artifacts, flints, slate palettes, and pottery 7500-4300 B.C.; also pottery lamps of Egyptian, Roman, Greek and Arabic manufacture.
- 1943 **Captain G. A. Humphreys-Davies:** His extensive and valuable collection of Chinese arts. **Mr. E. Earle Vaile:** Large collection of books and pamphlets on exploration and early life in the South Pacific. **Mrs. W. H. Hemingway:** The late Mr. Hemingway's display and cabinet collections of insects. **Colonel the Hon. F. Waite, D.S.O., M.L.C.:** Further collections from Egyptian Pre-dynastic, Dynastic and Ptolemaic periods.
- 1944 **Mrs. B. Quigley and Miss E. Kenderdine:** Large number of books on early New Zealand history. **Mr. E. Earle Vaile:** Collection of works on South Pacific exploration and New Zealand history. **Captain G. A. Humphreys-Davies:** Ancient Chinese bronze sculpture. **Mr. J. C. Entrican:** Large collection of Eastern Polynesian stone implements.
- 1945 **Mr. W. G. White:** A valuable very representative collection of Worcester and Chelsea China. **Mr. E. Earle Vaile:** Important Maori Ethnographical Collections, and books on South Pacific Exploration and New Zealand History.
- 1947 **Lady Leys Fund, Sir James Gunson Fund, and E. Earle Vaile Fund:** Collection of 60 greenstone hei tiki and greenstone adzes purchased in England.
- Mr. Jas. C. Entrican:** Gave his extensive collection of medals and coins and library of books on Numismatics.
- Mr. Geo. Finn:** Presented a collection of books and newspaper records, reports and illustrations collected over a number of years.
- Lieutenant A. G. Carnahan, R.N.R.:** Presented Viscount Jellicoe's racing 14-footer "Iron Duke."
- 1948 **Sir Frank Mappin:** 16mm Cine-sound projector.
- 1950 **Mrs. J. P. Campbell:** Eighteenth century inlaid sideboard.
- Mr. Wm. Goodfellow:** Delft vase and other early ceramics.
- Mr. V. J. Larner:** Early china and delft vase.
- 1951 **Mrs. Goldie:** Twenty portraits of Maoris by the late Mr. C. F. Goldie.
- Rev. Harry Johnson:** Extensive collection of native arts and crafts from Tanganyika.
- Rev. Charles Palmer:** Melanesian ethnographical collection; mementoes of Bishop Selwyn and early New Zealand books.
- Mr. W. J. Crowther:** Selected examples of English porcelain and eighteenth century silver plate.

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ACCESSIONS, 1951-52.

- Dr. W. A. Alexander: Fossil coconut.
 Mr. G. Bremner Abel: Hat ribbon H.M.N.Z. Transport Monowai, March, 1900, coins and other mementos.
 Mr. W. Applebe: Maori adzes and rubber; fossil mollusca.
 Mrs. Beale: Macrame work and old English lace.
 Miss D. Bennett: Greenstone koropepe.
 Mr. R. W. Beresford: Chinese sculptured figure.
 Mr. G. P. L. Bretherton: Nepal brass Buddhistic figure.
 Mrs. V. Cameron: Greenstone pendant.
 Mr. C. Charteris: Andesitic tuff from deep bore.
 Dr. H. A. Chatfield: *Xeronema callistemon* seedhead.
 Dr. Mabel Christie: Sling stone, Rarotonga.
 Mr. J. Kenneth Cousins: Chinese ceremonial double sword, deposited.
 The late Mr. W. J. Crowther: Pair of Bow figures; pair of Worcester tureens and Coalport ewer.
 Miss C. Culbert: Small greenstone adze with chisel partly cut from one side.
 Mr. Ike Davis: Finely fashioned whalebone patu.
 Mr. D. de Mouncey: War club, Fiji.
 Mrs. E. Dickey: Persian silver bracelet.
 Ethnographical specimens, the gift of the islanders of Vaitapu, Ellice Islands; brought by Captain G. V. M. Dolphin, R.N.
 Mr. W. T. Duder: Flintlock "Tower" musket and leg-irons.
 Mrs. C. Muriel Dunlop: Greenstone and shark tooth pendants.
 Lady Ellis: Ethnographical articles, Oceania.
 Master Dale Elwell: German iron cross.
 Mr. M. H. Ewing: Greensandstone.
 Mr. R. Farrell: Two cases of mounted birds.
 Mr. W. A. Fairclough: Mummied remains from tombs of the Queens at Thebes.
 Mrs. Fitzgibbon: Moari stone adze.
 Mr. C. A. Fleming: Collection of mounted New Zealand insects.
 Mr. J. W. Hansell: Three silver watches.
 Mrs. Haslam: Australian ethnographical specimens.
 Mr. E. D. Hatch: Herbarium specimens of exotic orchids and botanical drawings.
 Mr. J. A. B. Hellaby: Great Horned Owl.
 Mrs. Margaret Hemingway: Set of incision instruments, N.W. Territory.
 Mrs. S. Henricks: Wooden club and baton.
 Mr. G. H. Hewitt: Greenstone *toki*.
 Mr. M. Holdsworth: 62 packets of mosses from the Three Kings Is.
 Lt.-Col. G. Holland: Head of Indian bison; two heads of Indian sambar.

- Mr. L. O. Howell: Greenstone chisel and stone adze.
Miss F. I. Hunt: Large totara burr.
Mrs. S. L. Hyde: Bird of Paradise.
Master Anthony Jack: Adze, said to have been presented to Samuel Marsden by Hone Heke.
Mr. M. A. Jamieson: Festival of Britain crown piece, 1951.
Rev. H. Johnson: Extensive ethnographical collection from Central Africa, made by the donor fifty years ago.
Mr. T. L. N. Johnston: Box of unnamed Chinese herbs.
Miss N. Jory: Melanesian ethnographical specimens.
Mr. J. M. Kelsey: 466 sheets of Australian and New Zealand algae, collected by W. H. Harvey, c. 1850.
Mrs. M. Kelly: Large piece of Kauri gum.
Miss Lane: Greek red figure vase.
Mr. N. M. Lethbridge: Moa tibia (*D. ingens*).
Mr. J. S. Lindsay: Clerid beetle.
Mr. Arthur Lush: Collection of Melanesian specimens.
J. H. Luxford, Esq., S.M.: Agreement of whaling master and crew, signed 1843.
The family of the late Mr. J. E. Makgill: Greenstone hei tiki.
Mr. T. W. Mellor: 16 sheets dried plants.
Mr. G. G. M. Mitchell: Stone *mauri*, greenstone carving smoother, and whale humerus.
Mr. C. G. Murdock: Carved stone sinker.
Mr. S. MacFarlane: Large iron fish-hook.
Mrs. J. McGruther: Grooved sinker and concretion.
Mr. I. McIntyre: Double-ended wooden implement.
Mr. H. Newman: German war propaganda (translation).
Mr. B. D. Norton: Stone adze.
Mr. K. S. Odlin: Concretions from recent muds, Auckland Harbour.
Lt.-Commander J. O'Neill: Model canoe, Ellice Islands.
Rev. C. Palmer: Large collection of Melanesian ethnographical specimens; Bishop Selwyn's writing desk and telescope; early New Zealand books.
Dr. G. Blake Palmer: Gold inlaid and chased iron bowl.
Mr. J. Patrickson: Medal of the War of Italian Independence and Unity, 1866.
Major W. A. G. Penlington: Thirty-five field sketches of Northern France by the donor; and war souvenirs, 1914-18.
Mr. H. C. Pearce: Sword of sword stick, England, c. 1860.
Mr. A. E. Price: Vesicular glass from fusion of sandy soil.
Mr. A. W. Robinson: Amazon parrot.

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- Mr. H. Sands: Whale remains and *Pecten* remains in papa stone from road cutting at Mangaotaki.
- Mr. A. W. Schoutten: *Macrozamia macrocarpa*, Java.
- Mr. C. E. Smith: Medal made from bronze of H.M.S. Foudroyant.
- Professor P. A. Smith: Pueblo Indian potshards.
- Mrs. H. D. Spencer: Polynesian and Melanesian specimens.
- Mr. L. Taylor: Case of mounted N.Z. birds.
- Mr. J. A. Thompson: English carp, Brue River, Somerset.
- U.S. National Museum: 171 dried plants.
- Edward Earle Vaile Trust Fund: Fourteen sets of Pitcairn Island adzes; large greenstone adze; Maori archaeological material; three sets of shark fishing equipment and a large wooden mask from New Ireland; Samoan hibiscus fibre mat.
- Mr. E. G. Wanhill: Two collecting nets and specimen of blue moon butterfly.
- Mrs. John Webster: Cutlass formerly the property of John Webster, Esq., and used by him on the "Wanderer."
- Mr. K. A. Webster: Collection of Eskimo specimens.
- Dr. T. Wolf: Ethnographical material from Rennell Island.
- Mrs. K. Wood: 482 specimens of dried plants, native and naturalised.
- Storm driven bird specimens from Messrs. H. N. Bibby, R. N. Buttle, G. J. Burton, H. Carrington, J. D. Clark, Mrs. P. T. Cronhelm, Messrs. L. Croon, G. W. Cox, J. A. Fagan, C. A. Fleming, L. C. Gollan, M. P. Grayling, H. Grimson, J. Kirkwood, King's College Bird Club, H.M. Survey ship "Lachlan," Messrs. W. J. Lewis, P. Lucas, R. G. Lysnar, Rev. A. Madill, Mr. Melville, F. D. Miskell, Mrs. J. Mitchinson, G. Moon, A. J. F. Morrow, T. I. McGuire, H. R. McKenzie, K. N. McMillan, R. S. Naylor, Northland College, Constable G. S. Odell, M. O'Sullivan, L. Petherbridge, F. Price, Mrs. J. Prickett, C. H. Robinson, I. W. Rolfe, G. Scandrett, M. Shackleford, R. B. Sibson, N. G. Stephenson, G. Thomas, Kevin Thomson, D. A. Urquhart, M. A. Waller, and W. G. T. Webster.
- Birds' eggs presented by Mr. J. M. Cunningham.
- Introduced bird specimens, presented by Messrs. W. H. Carter, P. F. Stein, Miss J. Pidgeon and Miss C. Spencer.
- Aviary bird specimens presented by Messrs. H. Carruthers, M. E. Fitzgerald, and the Auckland Zoological Park.

Members of the Auckland Institute.

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George, H. J. C., LL.B.
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 Spragg, G. W.
 Sriraman, M.
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Swan, Miss E. I.
Swan, H. R.
Swanston, Dr. C.
Symington, F.

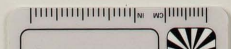
Taine, W. H. V.
Talbot, Dr. A. G., M.A.
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Tattersfield, J. W.
Taylor, Lieut.-Comd. C. J.,
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Warneford, Mrs. N.
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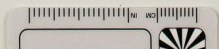
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